



Attorney Docket No.: 873.0119.U1(US)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE



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Elaine F. Mian  
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Commissioner For Patents  
Mail Stop: NEW PATENT APPLICATION  
P.O. Box 1450  
Alexandria, VA 22313-1450

NEW APPLICATION TRANSMITTAL FORM

Sir:

Transmitted herewith for filing is the patent application of

Inventor(s): **Mohammad Jaber Borran, Ashutosh Sabharwal, Behnaam Aazhang, Prabodh Varshney**

For (title): **Partially Coherent Constellations For Multiple-Antenna Systems.**

Enclosed are the following:

- ☐ Application Cover Page
- ☒ 31 pages of Specification that consists of, 25 pages of Description, 5 pages of Claims and 1 page of Abstract;
- ☒ 9 sheet of drawings;
- ☒ Inventor(s) Declaration;
- ☐ Preliminary Amendment;
- ☒ Priority is hereby claimed from:
  - U.S. Provisional Patent Application Number 60/474,476 filed on May 30, 2003;**
  - Patent Application Number                      filed on                      ;
  - Patent Application Number                      filed on                      ;
- ☐ Certified Copy of priority document(s);
- ☐ English language translation of priority document;
- ☐ Application Data Sheet;
- ☒ Information Disclosure Statement and/or Form PTO 1449 and cited art;
- ☒ Assignment and Recordation Form Cover Sheet;
- ☒ Return Receipt Postcard;
- ☐ Other:

Assignment Data

- ☒ An assignment of the invention to Nokia Corporation  
☒ is attached.  
☐ will follow.

Small Entity Status

- ☐ Applicant claims small entity status.

Fees

<input type="checkbox"/> Design Patent Application					\$ 330.00
<input checked="" type="checkbox"/> Utility Patent Application					
	Number Filed	Number Extra		Rate	Basic Fee
					\$ 750.00
Total Claims	32 -20 =	12	x	\$ 18.00	\$ 216.00
Independent Claims	3 - 3 =	0	x	\$ 84.00	\$
Assignment Recordal		1	x	\$ 40.00	\$ 40.00

TOTAL FEES

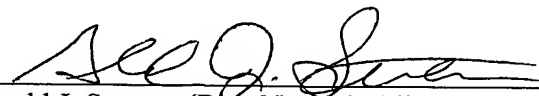
**\$ 1006.00**

- ☒ A check in the amount of **\$1006.00** in payment of the filing fee is enclosed.
- ☐ Charge \$ to Deposit Account No. 50-1924
- ☒ The Commissioner is hereby authorized to charge any additional fees under 37 C.F.R. 1.16 and 1.17 which may be required for this communication or during the entire pendency of this patent application, or credit any overpayment, to Deposit Account No. 50-1924.

Correspondence

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September 24, 2003  
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